

Work Order ID 90844

October-01-12 7:46:16 AM

90844

Page 1

Item ID: D3536-35 Accept *N9000040100* Setup Start *NS1*
 Revision ID: Stop *NS2*
 Item Name: Gasket
 Start Date: 10/01/12 Start Qty: 12.00 *12* Cust Item ID:
 Required Date: 10/12/12 Req'd Qty: 12.00 *12* Customer:
 Reference:

Approvals: Process Plan: MLT Date: 12-10-01 Tooling: _____ Date: _____ Run Start *NR1*
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D3536	Rev A								

100 FLOW WATER JET 0.00
 100
 Waterjet Memo 0.00
 FLOW CNC Waterjet 1-Cut as per Dwg D3536 Dwg Rev: A Prog Rev: A 2-
 Deburr if necessary

110 QC2- Inspect parts off machine FAI/FAIB 0.00
 110
 QC Memo 0.00
 Quality Control

120 QC8- Inspect parts - second check 0.00
 120
 QC Memo 0.00
 Quality Control

13 12-10-11

13 12-10-11

13

Smb
12-10-11

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

QA Closed: _____ Date: _____

Work Order: _____ Part No. _____ NCR No. _____				DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>		AGAINST DEPARTMENT/PROCESS <div style="display: flex; justify-content: space-between;"> <div> Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/> </div> <div> Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/> </div> <div> Water Jet <input type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> </div> <div> Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/> </div> </div>					
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data											
Equip/Tooling											
Operator											
Material											
Setup											
Other											
Process											
Supplier											
Training											
Unapproved											
FAULT CATEGORY											
Landing Gear			General								
<input type="checkbox"/>	Bending		<input type="checkbox"/>	Bend		<input type="checkbox"/>	Grain		<input type="checkbox"/>	Ovalized	
<input type="checkbox"/>	Centre Not Concentric to O/S		<input type="checkbox"/>	BOM/Route		<input type="checkbox"/>	Hardware		<input type="checkbox"/>	Over/Under tolerance	
<input type="checkbox"/>	Cracks		<input type="checkbox"/>	Broken/Damaged		<input type="checkbox"/>	Inspection Incomplete		<input type="checkbox"/>	Part Incorrect	
<input type="checkbox"/>	Crushed/Crimped		<input type="checkbox"/>	Burrs		<input type="checkbox"/>	Instructions Incomplete/Unclear		<input type="checkbox"/>	Part Lost/Missing	
<input type="checkbox"/>	Cuffs		<input type="checkbox"/>	Contamination		<input type="checkbox"/>	Maintenance		<input type="checkbox"/>	Part Moved	
<input type="checkbox"/>	Heat Treat		<input type="checkbox"/>	Countersink		<input type="checkbox"/>	Mislabeled		<input type="checkbox"/>	Positioned Wrong	
<input type="checkbox"/>	Inspection Strip in Tube		<input type="checkbox"/>	Cut Too Short		<input type="checkbox"/>	Misread		<input type="checkbox"/>	Power Loss/Surge	
<input type="checkbox"/>	Ripples in Bend		<input type="checkbox"/>	Drill Holes		<input type="checkbox"/>	Offset		<input type="checkbox"/>	Pressure/Forced	
<input type="checkbox"/>	Torque Waves in Extrusion		<input type="checkbox"/>	Drawing		<input type="checkbox"/>	Out of Calibration		<input type="checkbox"/>	Temperature/Cure	
<input type="checkbox"/>	Turning Sequence		<input type="checkbox"/>	Finish		<input type="checkbox"/>	Out of Sequence		<input type="checkbox"/>	Weld	
<input type="checkbox"/>	Wave/Twist in Tube		<input type="checkbox"/>	Folio		<input type="checkbox"/>	Outside Dimensions		<input type="checkbox"/>	Wrong Stock Pulled	
<input type="checkbox"/> Other											

90844

Page 2

N900040100

Setup Start *NS1*

Stop ***NS2***

Start Date: 10/01/12 **Start Qty:** 12.00 ***12***

Cust Item ID:

Required Date: 10/12/12 **Req'd Qty:** 12.00 ***12***

Customer:

Reference:

Run Start *NR1*

Approvals: **Process Plan:** _____ **Date:** _____ **Tooling:** _____ **Date:** _____

Stop ***NR2***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

**Insp.
Stamp**

Identify as per dwg & Stock Location: _____

0.00

130

Memo

0.00

Packaging

Packaging

140

QC21- Final Inspection - Work Order Release

0.00

140

Memo

0.00

QC

Quality Control

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

QA Closed: _____ Date: _____

Work Order: _____ Part No. _____ NCR No. _____				DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>		AGAINST DEPARTMENT/PROCESS <div style="display: flex; justify-content: space-between;"> <div> Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/> </div> <div> Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/> </div> <div> Water Jet <input type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> </div> <div> Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/> </div> </div>					
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data <input type="checkbox"/>											
Equip/Tooling <input type="checkbox"/>											
Operator <input type="checkbox"/>											
Material <input type="checkbox"/>											
Setup <input type="checkbox"/>											
Other <input type="checkbox"/>											
Process <input type="checkbox"/>											
Supplier <input type="checkbox"/>											
Training <input type="checkbox"/>											
Unapproved <input type="checkbox"/>											
FAULT CATEGORY											
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped. <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube			General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio			<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions			<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other		

Picklist Print

October-01-12 7:46:14 AM

Page 1

Work Order ID: 90844

Parent Item: D3536-35

Parent Item Name: Gasket

Start Date: 10/01/12

Required Date: 10/12/12

Start Qty: 12.00

Required Qty: 12.00

Comments: IPP Rev:A New Issue 07-02-14 JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
MNEO60S.063 NEOPRENE SHEET 0.063		Purchased	No			100	sf	852.7940	0.6197	8.2626672			

B12-10-01

Location

Loc Qty

Loc Code

MAT052

852.794

122112

192.594

122757

660.2

122757

(3)

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

QA Closed: _____ Date: _____

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Doc/Data <input type="checkbox"/>									
Equip/Tooling <input type="checkbox"/>									
Operator <input type="checkbox"/>									
Material <input type="checkbox"/>									
Setup <input type="checkbox"/>									
Other <input type="checkbox"/>									
Process <input type="checkbox"/>									
Supplier <input type="checkbox"/>									
Training <input type="checkbox"/>									
Unapproved <input type="checkbox"/>									

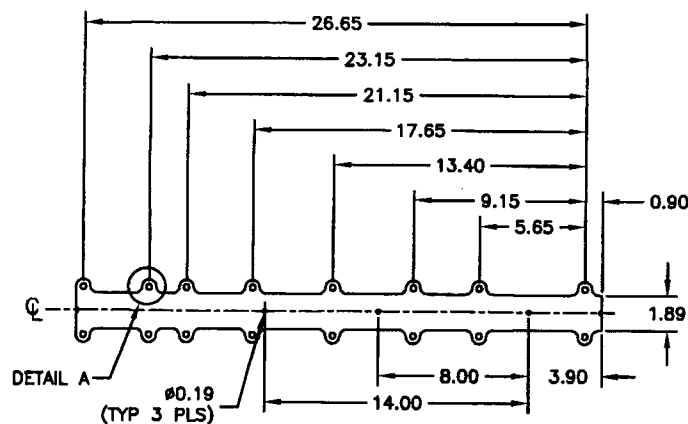
FAULT CATEGORY

Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped. <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio	<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions
<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge		
<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other		

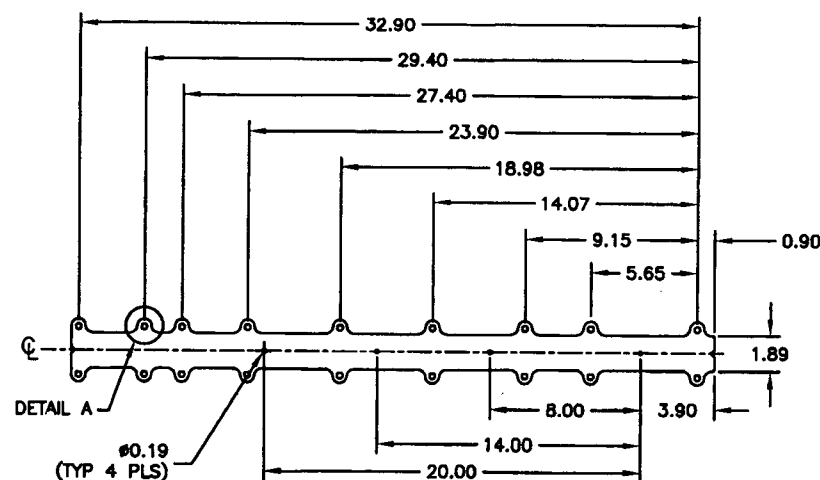
DART

RELEASED
09.02.12

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO EXAMINATION
WITHOUT NOTICE
WORK ORDER NO. 90844/MCS
12-10-01



D3536-11 GASKET



D3536-13 GASKET

NOTES

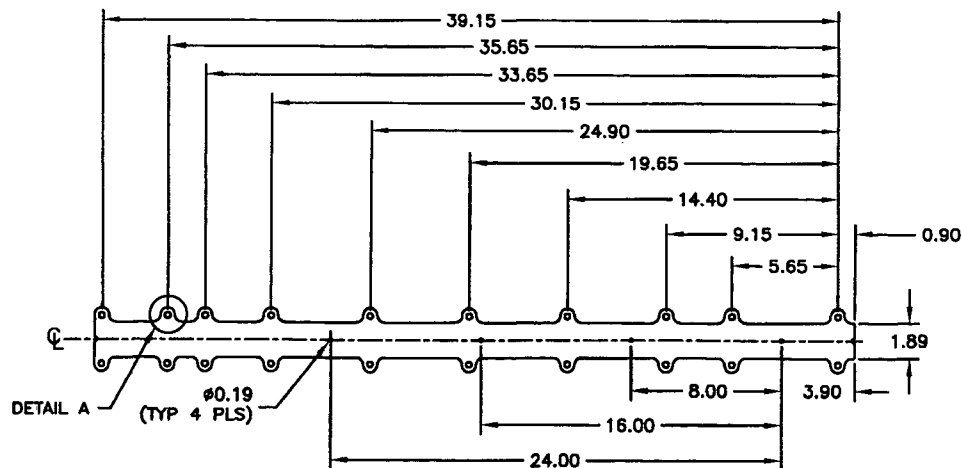
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- 2) FINISH: NONE
- 3) PART IS SYMMETRICAL ABOUT \bar{C}
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES
- 6) IDENTIFY WITH DART P/N USING A WHITE FINE POINT PERMANENT INK MARKER
- 7) SEE PAGE 6 FOR DETAILS AND SECTION

DESIGN	DRAWN BY	DART AEROSPACE USA, INC.		
CB	CB	PORT HADLOCK, WA		
CHECKED PH	APPROVED [Signature]	DRAWING NO. D3536	REV. A	SHEET 1 OF 6
DATE 06.10.25	TITLE GASKET	SCALE 1:10	NEW ISSUE	

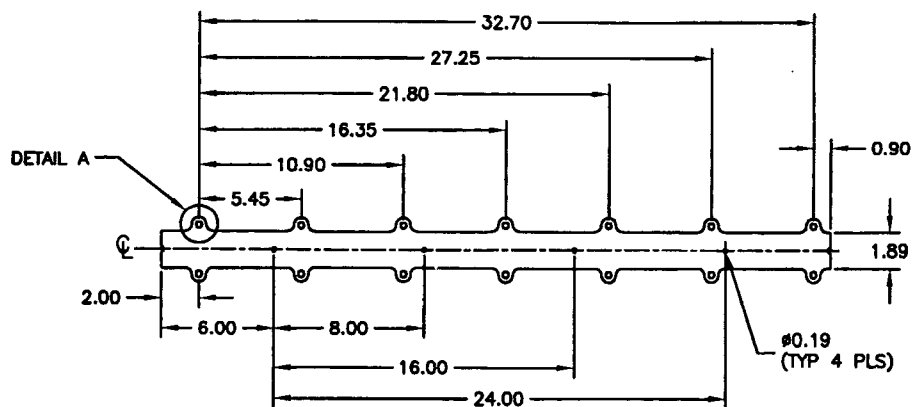
DART

90844

RELINQUISHED
070212



D3536-15 GASKET



D3536-21 GASKET

NOTES

- 1) MATERIAL: BLACK NEOPRENE SHEET, 1/16 THICK, 60 DUROMETER (REF DART SPEC. M-NE060-S.063)
- 2) FINISH: NONE
- 3) PART IS SYMMETRICAL ABOUT C
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES
- 6) IDENTIFY WITH DART P/N USING A WHITE FINE POINT PERMANENT INK MARKER
- 7) SEE PAGE 6 FOR DETAILS AND SECTION

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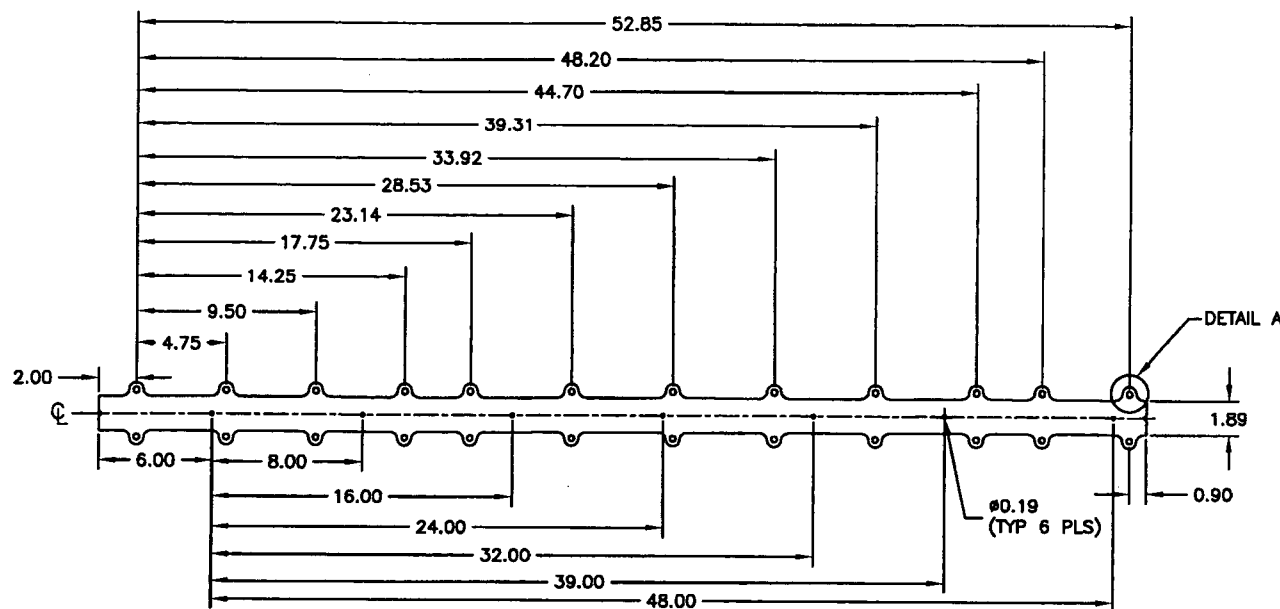
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CHECKED	AT	APPROVED	AT	PORT HADLOCK, WA
DATE	06.10.25	TITLE	GASKET	REV. A
		DRAWING NO.	D3536	SHEET 2 OF 6
		SCALE	1:10	

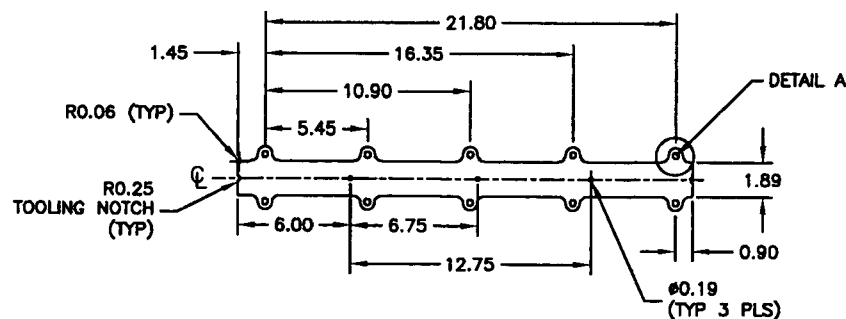
90844



07.02.12
RELEASED



D3536-23 GASKET



D3536-25 GASKET

NOTES

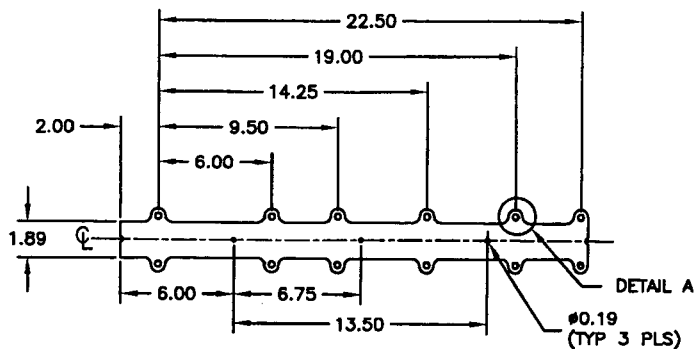
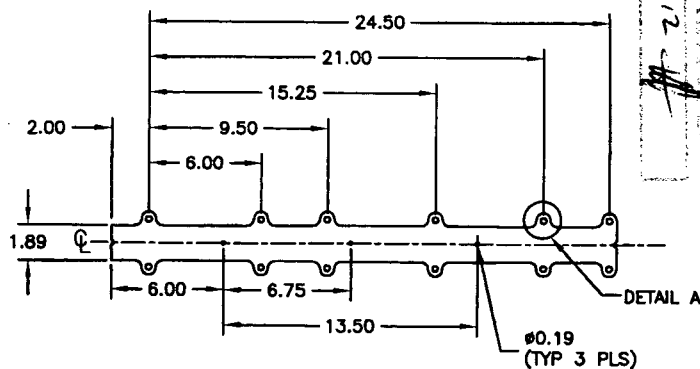
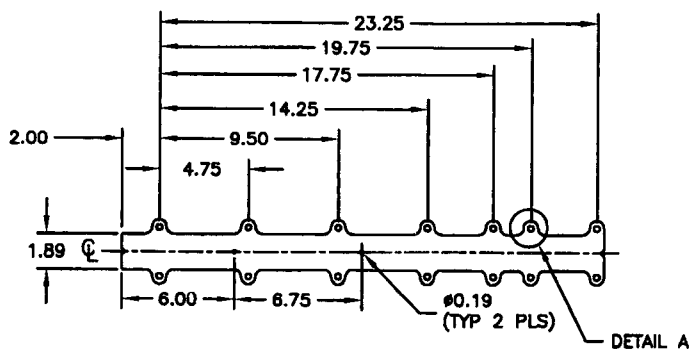
- 1) MATERIAL: BLACK NEOPRENE SHEET, 1/16 THICK, 60 DUROMETER (REF DART SPEC. M-NE060-S.063)
- 2) FINISH: NONE
- 3) PART IS SYMMETRICAL ABOUT ϕ
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES
- 6) IDENTIFY WITH DART P/N USING A WHITE FINE POINT PERMANENT INK MARKER
- 7) SEE PAGE 6 FOR DETAILS AND SECTION

DESIGN	CB	DRAWN BY	CB	DART Aerospace USA, Inc.
CHECKED	AM	APPROVED	AM	PORT HADLOCK, WA
DATE	06.10.25	DRAWING NO.	D3536	REV. A
TITLE	GASKET	SHEET 3 OF 6	SCALE	1:10

90244

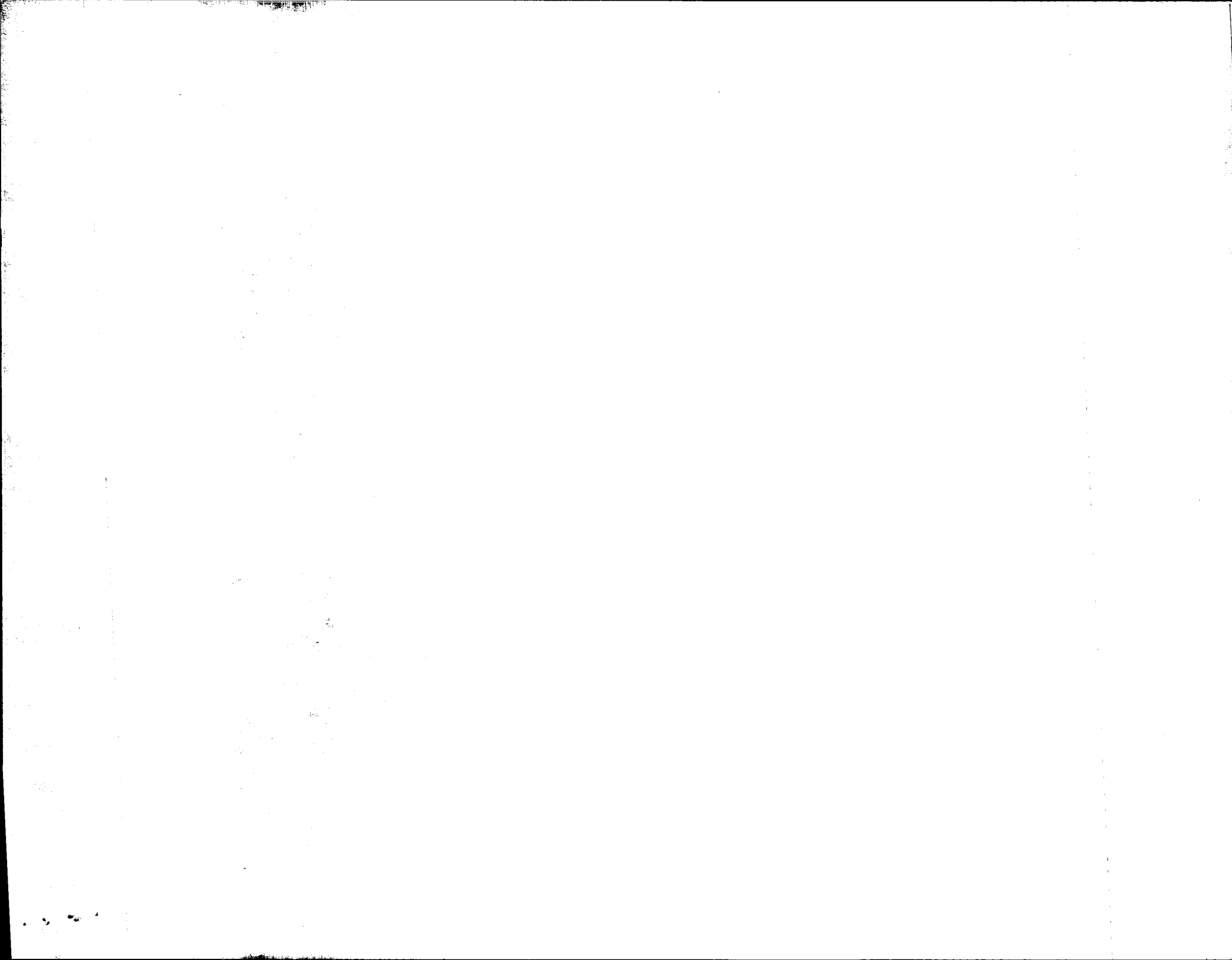
DART

07.02.12

**D3536-31 GASKET****D3536-33 GASKET****D3536-35 GASKET****NOTES**

- 1) MATERIAL: BLACK NEOPRENE SHEET, 1/16 THICK, 60 DUROMETER (REF DART SPEC. M-NEO60-S.063)
- 2) FINISH: NONE
- 3) PART IS SYMMETRICAL ABOUT C
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES
- 6) IDENTIFY WITH DART P/N USING A WHITE FINE POINT PERMANENT INK MARKER
- 7) SEE PAGE 6 FOR DETAILS AND SECTION

DESIGN	CB	DRAWN BY	CB	DART Aerospace USA, Inc.
CHECKED	AM	APPROVED	AM	PORT HADLOCK, WA
DATE	06.10.25	TITLE	GASKET	REV. A
		DRAWING NO.	D3536	SHEET 4 OF 6
		SCALE	1:10	



DART


30.75
27.25
22.50
17.75
14.25
9.50
4.75
2.00
1.89
6.00
8.00
16.00
21.00
DETAIL A
Ø0.19
(TYP 4 PLS)
D3536-37 GASKET

[illegible]

NOTES

- 1) MATERIAL: BLACK NEOPRENE SHEET, 1/16 THICK, 60
DUROMETER (REF DART SPEC. M-NEO80-S.063)
- 2) FINISH: NONE
- 3) PART IS SYMMETRICAL ABOUT C
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS
OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES
- 6) IDENTIFY WITH DART P/N USING A WHITE FINE POINT
PERMANENT INK MARKER
- 7) SEE PAGE 6 FOR DETAILS AND SECTION

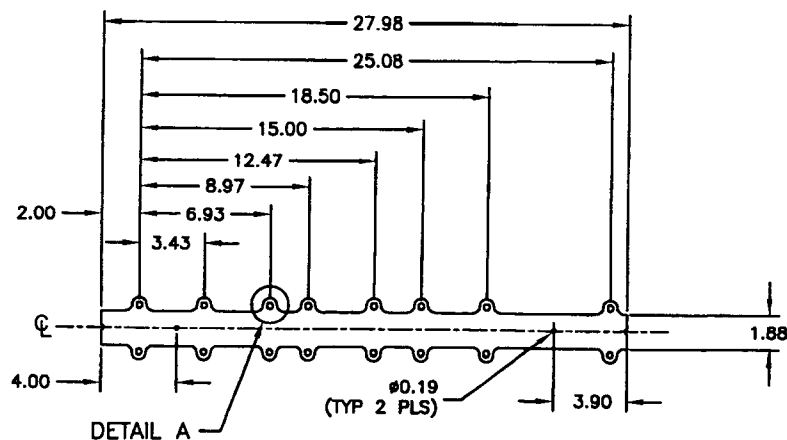
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DESIGN	DRAWN BY		DART AEROSPACE USA, INC.	
CB	CB		PORT HADLOCK, WA	
CHECKED	APPROVED	DRAWING NO.		REV. A
PH		D3536		SHEET 5 OF 6
DATE	TITLE		SCALE	
06.10.25	GASKET		1:10	

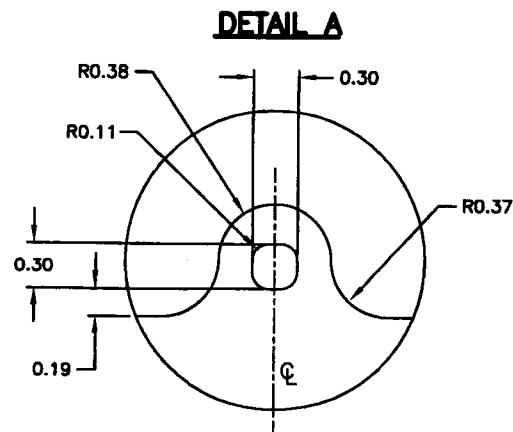
90844

DART

070212 *AK*



D3536-41 GASKET



NOTES

- 1) MATERIAL: BLACK NEOPRENE SHEET, 1/16 THICK, 60 DUROMETER (REF DART SPEC. M-NEO60-S.083)
- 2) FINISH: NONE
- 3) PART IS SYMMETRICAL ABOUT ϕ
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
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DESIGN	CB	DRAWN BY	CB	DART AEROSPACE USA, INC.
CHECKED	AK	APPROVED	<i>AK</i>	PORT HADLOCK, WA
DATE	06.10.25	DRAWING NO.	D3536	REV. A
		TITLE	GASKET	SHEET 6 OF 6
		SCALE	1:10	

DART AEROSPACE LTD		Work Order:	90844
Description: Gasket		Part Number:	D3536-35
Inspection Dwg: D3536	Rev: A	Page 1 of 1	

FIRST ARTICLE INSPECTION CHECKLIST

☒ First Article ☐ Prototype

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
23.25	+/-0.030	23.25	✓		T B61	
19.75	+/-0.030	19.75	✓		T	
17.75	+/-0.030	17.75	✓		T	
14.25	+/-0.030	14.25	✓		T	
9.50	+/-0.030	9.50	✓		T	
4.75	+/-0.030	4.75	✓		T	
2.00	+/-0.030	2.003	✓		T	
6.00	+/-0.030	6.00	✓		T	
6.75	+/-0.030	6.75	✓		T	
0.30	+/-0.030	308	✓		V B61	
0.30	+/-0.030	302	✓		V	
1.89	+/-0.030	1.891	✓		V	
Ø0.19	+0.005/-0.001	190	✓		V	
0.063	+/-0.010	1058	✓		V	

Measured by: B	Audited by: smB	Prototype Approval:	N/A
Date: 12-10-11	Date: 12/10/11	Date:	N/A

Rev	Date	Change	Revised by	Approved
A	07.03.14	New Issue	KJ/JLM	